PTO/SB/21 (02-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE OCT 1 8 2004 Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Application Number 10/008.630 Filing Date TRANSMITTAL 11/13/2001 **FORM** First Named Inventor Edward G. Callway, et al. Art Unit 2614 (to be used for all correspondence after initial filing) NATNAEL, Paulos M.Technology Certer 2600 **Examiner Name** Attorney Docket Number 1376-0100570 16 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication Drawing(s) to Technology Center (TC) Fee Transmittal Form Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC ~ Petition (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information **Provisional Application** After Final Power of Attorney, Revocation Change of Correspondence Address Status Letter Affidavits/declaration(s) Other Enclosure(s) (please Terminal Disclaimer Identify below): Extension of Time Request Return Receipt Postcard Request for Refund **Express Abandonment Request** CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Ryan S. Davidson, Reg. No. 51,596 Individual name Signature Date CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name

Signature

Judy Carey



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Edward G. Callway et al.

Title:

SYSTEM FOR IMPROVED RATIOMETRIC EXPANSION AND

**METHOD THEREOF** 

App. No.:

10/008,630

Filed:

11/13/2001

Examiner:

NATNAEL, Paulos M.

Group Art Unit:

2614

Technology Center 2600

Customer No.: 34456

Confirmation No.:

5733

Atty. Dkt. No.: 1376-0100570

Mail Stop AMENDMENT Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

## RESPONSE TO OFFICE ACTION

Dear Sir:

In response to the Office Action mailed July 21, 2004, please amend the above-identified application as follows:

Claim Amendments begin on page 2.

Remarks begin on page 10.

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents q

Judy Carey Typed or Printed Name

Signature